

**IN THE CLAIMS:**

1. (Previously Presented) A packet based high bandwidth copy protection method comprising:

forming a number of related data packets at a source device;

forming a first group of encrypted data packets by encrypting some of the data packets based upon a first set of encryption values, wherein the number of encrypted data packets in the first group of encrypted data packets is less than the number of data packets formed at the source device;

forming a second group of encrypted data packets by encrypting those data packets not already encrypted based upon a second set of encryption values, wherein each and every one of the related data packets is encrypted and belongs to either the first or the second group of encrypted data packets;

transmitting the encrypted data packets from the source device to a sink device coupled thereto;

decrypting the first group of encrypted data packets using a first set of decryption values corresponding to the first set of encryption values;

decrypting the second group of encrypted data packets using a second set of decryption values corresponding to the at least second set of encryption values concurrently with the decrypting of the first set of encrypted data packets; and

displaying the decrypted data packets by the sink device.

2. (Original) A method as recited in claim 1, wherein the source device is a video source and wherein the sink device is a video display and wherein the number of data packets include some audio data packets and some video data packets.

3. (Previously Presented) A method as recited in claim 1, further comprising:
- forming a first control data packet associated with the first set of encryption/decryption values;
  - using the first control data packet to identify the first group of encrypted data packets,
  - forming a second control data packet associated with the second set of encryption/decryption values; and
  - using the second control data packet to identify the second group of encrypted data packets, wherein the encryption/decryption values include a Vsync control value, an Hsync control value, and a CNTL3 control value.
4. (Previously Presented) A method as recited in claim 3, using the first set of encryption/decryption values included in the first control data packet to decrypt the first group of encrypted data packets and using the second set of encryption/decryption values included in the second control data packet to decrypt the second group of encrypted data packets.
5. (Previously Presented) A method as recited in claim 4, wherein when the CNTL3 control value is active, then the corresponding data packet is encrypted.
6. (Previously Presented) A system for providing high bandwidth copy protection in a packet based system, comprising:
- a source unit arranged to provide a number of related data packets;
  - a sink unit coupled to the source unit arranged to receive the data packets from the source unit;
  - an encryption unit coupled to the source unit arranged to encrypt selected ones of the data packets sent from the source unit to the sink unit using a first set of encryption values and the

remaining data packets using at least a second set of encryption values different from the first set of encryption values, wherein each and every one of the data packets is encrypted;

a decryption unit coupled to the sink unit arranged to appropriately decrypt the encrypted data packets;

an encryption/decryption values generator arranged to provide the first and at least the second set of encryption/decryption values to the decryption unit; and

a processor for processing the decrypted data packets for display by the sink unit.

7. (Previously Presented) A system as recited in claim 6, wherein the source unit is a video source and wherein the sink device is a video display and wherein the number of data packets include some audio data packets and some video data packets.

8. (Original) A system as recited in claim 7, wherein the sink unit is a display unit arranged to display processed ones of the video data packets.

9. (Original) A system as recited in claim 8, wherein the display unit includes a number of speakers arranged to transmit audio signals based upon processed ones of the audio data packets.

10. (Previously Presented) A system as recited in claim 9, wherein the encryption/decryption values include a Vsync control signal, a Hsync control signal corresponding to the video data packets.

11. (Previously Presented) A system as recited in claim 10, wherein the encryption/decryption values further includes a CNTL3 control value to flag those data packets that are encrypted.

12. (Previously Presented) Computer program product executable by a processor for providing a packet based high bandwidth copy protection, the computer program product comprising:

computer code for forming a number of related data packets at a source device;

computer code for forming a first group of the data packets by encrypting some of the data packets based upon a first set of encryption values, wherein the number of encrypted data packets in the first group is less than the number of data packets formed at the source device;

computer code for forming a second group of encrypted data packets by encrypting those data packets not already encrypted based upon a second set of encryption values, wherein each and every one of the related data packets is encrypted and belongs to either the first or the second group of encrypted data packets;

computer code for transmitting the encrypted data packets from the source device to a sink device coupled thereto;

computer code for decrypting the first group of encrypted data packets using a first set of decryption values corresponding to the first set of encryption values;

computer code for decrypting the second group of encrypted data packets using a second set of decryption values corresponding to the at least second set of encryption values concurrently with the decrypting of the first set of encrypted data packets;

computer code for displaying the decrypted data packets by the sink device; and

computer readable medium for storing the computer code.

13. (Original) Computer program product as recited in claim 12, wherein the source device is a video source and wherein the sink device is a video display and wherein the number of data packets include some audio data packets and some video data packets.

14. (Previously Presented) Computer program product as recited in claim 13, wherein the encryption control values include a Vsync control value, an Hsync control value, and a CNTL3 control value.

15. (Previously Presented) Computer program product as recited in claim 14, wherein each of the data packets is associated with a specific CNTL3 control value.

16. (Previously Presented) Computer program product as recited in claim 15, wherein when the CNTL3 control value is active, then the corresponding data packet is encrypted.

17. (Cancelled).

18. (Previously Presented) A method as recited in claim 1, wherein the first set of encryption values is different than the second set of encryption values.

19. (Cancelled).

20. (Previously Presented) A method as recited in claim 1, using the encryption/decryption values included in the first control data packet to decrypt the first group of encrypted data packets and using the encryption/decryption values included in the second control data packet to decrypt at least the second group of encrypted data packets.

21. (New) A computer chip configured to:  
form a number of related data packets at a source device, wherein the related data packets represent a video signal;

form a first group of encrypted data packets by encrypting some of the data packets based upon a first set of encryption values, wherein the number of encrypted data packets in the first group of encrypted data packets is less than the number of data packets formed at the source device, and wherein the first group of encrypted data packets represents the video signal encoded at a first resolution;

form a second group of encrypted data packets by encrypting those data packets not already encrypted based upon a second set of encryption values, wherein each and every one of the related data packets is encrypted and belongs to either the first or the second group of encrypted data packets, and wherein the second group of encrypted data packets represents the video signal encoded at a second resolution;

transmit the encrypted data packets from the source device to a sink device coupled thereto;

decrypt the first group of encrypted data packets using a first set of decryption values corresponding to the first set of encryption values;

decrypt the second group of encrypted data packets using a second set of decryption values corresponding to the at least second set of encryption values concurrently with the decrypting of the first set of encrypted data packets; and

display the decrypted data packets by the sink device.